

# EXHIBIT 9

UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF TEXAS  
MARSHALL DIVISION

VIRTAMOVE, CORP.,

Plaintiff,

v.

INTERNATIONAL BUSINESS  
MACHINES CORP.,

Defendant.

Case No. 2:24-cv-00064-JRG-RSP

**PLAINTIFF VIRTAMOVE, CORP.'S SUPPLEMENTAL PRELIMINARY  
DISCLOSURE OF ASSERTED CLAIMS AND INFRINGEMENT CONTENTIONS**

Deleted: CORRECTED

Deleted: ¶

**I. Patent Rule 3-1: Disclosure of Asserted Claims and Infringement Contentions**

Pursuant to Patent Rule 3-1, Plaintiff VirtaMove, Corp. submits the following Supplemental Preliminary Disclosure of Asserted Claims and Infringement Contentions. This disclosure is based on the information available to VirtaMove as of the date of this disclosure, and VirtaMove reserves the right to amend this disclosure to the full extent permitted, consistent with the Court's Rules and Orders.

**A. Patent Rule 3-1(a): Asserted Claims**

VirtaMove asserts that Defendant International Business Machines Corp. ("Defendant" or "IBM") infringes the following claims (collectively, "Asserted Claims"):

- (1) U.S. Patent No. 7,519,814 ("the '814 patent"), claims 1, 2, 6, 9, and 10; and
- (2) U.S. Patent No. 7,784,058 ("the '058 patent"), claims 1–4 and 18.

This Supplemental Preliminary Disclosure of Asserted Claims and Infringement Contentions includes the Corrected Preliminary Disclosure of Asserted Claims and Infringement Contentions previously served and amends the priority date that VirtaMove alleges the Asserted

Patents are entitled to. The Corrected Preliminary Disclosure of Asserted Claims and Infringement

Contentions correctly reflected, consistent with the Complaint (IBM Dkt. 1) and the Amended

Deleted: s

Complaints (Consolidated Dkts. 37, 47), that the only independent claims that are asserted in this

case are independent claim 1 of the '814 patent and independent claim 1 of the '058 patent.

Independent Claim 31 of the '814 patent is not, was not, and will not be asserted in this case.

Otherwise, the Corrected Preliminary Disclosure of Asserted Claims and Infringement

Deleted: is

Contentions was identical to the previously served Preliminary Disclosure of Asserted Claims and

Deleted: is

Infringement Contentions.

**B. Patent Rule 3-1(b): Accused Instrumentalities of which VirtaMove is aware**

VirtaMove asserts that the Asserted Claims are infringed by the various instrumentalities used, made, sold, offered for sale, or imported into the United States by Defendant, including certain (a) IBM products and services using secure containerized applications, including without limitation IBM's Cloud Kubernetes Service (IKS), IBM Cloud Private (ICP), and IBM Hybrid Cloud mesh, and all versions and variations thereof since the issuance of the '814 patent; and (b) IBM products and services using user mode critical system elements as shared libraries, including without limitation IBM Cloud Kubernetes Service (IKS), IBM Cloud Private (ICP), and IBM Hybrid Cloud mesh, and all versions and variations thereof since the issuance of the '058 patent ("Accused Instrumentalities"). Defendant's Accused Instrumentalities of which VirtaMove is presently aware are described in more detail in the accompanying preliminary infringement contention charts.

VirtaMove reserves the right to accuse additional products from Defendant to the extent VirtaMove becomes aware of additional products during the discovery process. Unless otherwise stated, VirtaMove's assertions of infringement apply to all variations, versions, and applications of each of the Accused Instrumentalities, on information and belief, that different variations,

versions, and applications of each of the Accused Instrumentalities are substantially the same for purposes of infringement of the Asserted Claims.

**C. Patent Rule 3-1(c): Claim Charts**

VirtaMove's analysis of Defendant's products is based upon limited information that is publicly available, and based on VirtaMove's own investigation prior to any discovery in these actions. Specifically, VirtaMove's analysis is based on certain limited resources that evidence certain products made, sold, used, or imported into the United States by Defendant.

VirtaMove reserves the right to amend or supplement these disclosures for any of the following reasons:

- (1) Defendant and/or third parties provide evidence relating to the Accused Instrumentalities;
- (2) VirtaMove's position on infringement of specific claims may depend on the claim constructions adopted by the Court, which has not yet occurred; and
- (3) VirtaMove's investigation and analysis of Defendant's Accused Instrumentalities is based upon public information and VirtaMove's own investigations. VirtaMove reserves the right to amend these contentions based upon discovery of non-public information that VirtaMove anticipates receiving during discovery.

Attached, and incorporated herein in their entirety, are charts identifying where each element of the Asserted Claims are found in the Accused Instrumentalities.

Unless otherwise indicated, the information provided that corresponds to each claim element is considered to indicate that each claim element is found within each of the different variations, versions, and applications of each of the respective Accused Instrumentalities described above.

**D. Patent Rule 3-1(d): Literal Infringement / Doctrine of Equivalents**

With respect to the patents at issue, each element of each Asserted Claim is considered to be literally present. VirtaMove also contends that each Asserted Claim is infringed or has been infringed under the doctrine of equivalents in Defendant's Accused Instrumentalities. VirtaMove also contends that Defendant both directly and indirectly infringes the Asserted Claims. For example, the Accused Instrumentalities are provided by the Defendant to customers, who are actively encouraged and instructed (for example, through Defendant's online instructions on its website and instructions, manual, or user guides that are provided with the Accused Instrumentalities) by Defendant to use the Accused Instrumentalities in ways that directly infringe the Asserted Claims. Defendant therefore specifically intends for and induces its customers to infringe the Asserted Claims under Section 271(b) through the customers' normal and customary use of the Accused Instrumentalities. In addition, Defendant is contributorily infringing the Asserted Claims under Section 271(c) and/or Section 271(f) by selling, offering for sale, or importing the Accused Instrumentalities into the United States, which constitute a material part of the inventions claimed in the Asserted Claims, are especially made or adapted to infringe the Asserted Claims, and are otherwise not staple articles or commodities of commerce suitable for non-infringing use.

**E. Patent Rule 3-1(e): Priority Dates**

The Asserted Claims of the '814 patent are entitled to a priority date at least as early as follows:

Claims 1, 2, 6, 9: September 18, 2002.

Claim 10: September 23, 2002.

Otherwise, the Asserted Claims of the '814 patent are entitled to the September 15, 2003 filing date of provisional application No. 60/502,619, the October 20, 2003 filing date of

**Deleted:** The Asserted Claims of the '814 patent are entitled to a priority date at least as early as September 15, 2003, the filing date of provisional application No. 60/502,619. ¶

provisional application No. 60/512,103, or any of the intervening dates: September 23, 2002; September 24, 2002; January 28, 2003; May 20, 2003; July 25, 2003; or July 28, 2003.

The Asserted Claims of the '058 patent are entitled to a priority date at least as early as follows:

Claims 1-3 and 18: June 18, 2002.

Claim 4: July 2, 2002.

Otherwise, the Asserted Claims of the '058 patent are entitled to the September 22, 2003 filing date of provisional application No. 60/504,213, or any of the intervening dates: September 23, 2002; September 24, 2002; January 28, 2003; May 20, 2003; July 25, 2003; or July 28, 2003.

VirtaMove identifies the following documents in support of its asserted priority date: VM\_IBM\_0001542-VM\_IBM\_1845.

A diligent search continues for additional responsive information and VirtaMove reserves the right to supplement this response.

**Deleted:** The Asserted Claims of the '058 patent are entitled to a priority date at least as early as September 22, 2003, the filing date of provisional application No. 60/504,213. ¶

**F. Patent Rule 3-1(f): Identification of Instrumentalities Practicing the Claimed Invention**

At this time, VirtaMove does not identify any of its instrumentalities as practicing the Asserted Claims. A diligent search continues for additional responsive information and VirtaMove reserves the right to supplement this response.

**II. Patent Rule 3-2: Document Production Accompanying Disclosure**

Pursuant to Patent Rule 3-2, VirtaMove submitted the following Document Production Accompanying Disclosure, along with an identification of the categories to which each of the documents corresponds.

**F. Patent Rule 3-2(a) documents:**

VirtaMove is presently unaware of any documents sufficient to evidence any discussion with, disclosure to, or other manner of providing to a third party, or sale of or offer to sell, the inventions recited in the Asserted Claims of the Asserted Patents prior to the application dates or priority dates for the Asserted Patents. A diligent search continues for such documents and VirtaMove reserves the right to supplement this response.

**G. Patent Rule 3-2(b) documents:**

VirtaMove identifies the following non-privileged documents as related to evidencing conception and reduction to practice of each claimed invention of the Asserted Patents: VM\_HPE\_0000865–VM\_HPE\_0000880. A diligent search continues for additional documents and VirtaMove reserves the right to supplement this response.

**H. Patent Rule 3-2(c) documents:**

VirtaMove identifies the following documents as being the file histories for the Asserted Patents: VM\_HPE\_0000001–VM\_HPE\_0000864.

Dated: November 5, 2024

Respectfully submitted,

Deleted: July 1

/s/ Reza Mirzaie  
Reza Mirzaie  
CA State Bar No. 246953  
Marc A. Fenster  
CA State Bar No. 181067  
Neil A. Rubin  
CA State Bar No. 250761  
Amy E. Hayden  
CA State Bar No. 287026  
Jacob R. Buczko  
CA State Bar No. 269408  
James S. Tsuei  
CA State Bar No. 285530  
James A. Milkey  
CA State Bar No. 281283  
Christian W. Conkle  
CA State Bar No. 306374

Jonathan Ma  
CA State Bar No. 312773  
Daniel Kolko (CA SBN 341680)  
RUSS AUGUST & KABAT  
12424 Wilshire Boulevard, 12th Floor  
Los Angeles, CA 90025  
Telephone: 310-826-7474  
Email: rmirzaie@raklaw.com  
Email: mfenster@raklaw.com  
Email: nrubin@raklaw.com  
Email: ahayden@raklaw.com  
Email: jbuczko@raklaw.com  
Email: jtsuei@raklaw.com  
Email: jmilkey@raklaw.com  
Email: cconkle@raklaw.com  
Email: jma@raklaw.com  
Email: dkolko@raklaw.com

Qi (Peter) Tong  
4925 Greenville Ave., Suite 200  
Dallas, TX 75206  
Email: ptong@raklaw.com

**ATTORNEYS FOR PLAINTIFF  
VIRTAMOVE, CORP.**



**CERTIFICATE OF SERVICE**

I certify that this document is being served upon counsel of record for Defendants  
on ~~November 5~~, 2024 via e-mail.

Deleted: July 1

/s/ Reza Mirzaie  
Reza Mirzaie

**U.S. Patent No. 7,784,058 (“’058 Patent”)**

Accused Instrumentalities: IBM products and services using user mode critical system elements as shared libraries, including without limitation IBM Cloud Kubernetes Service (IKS), IBM Cloud Private (ICP), and IBM Hybrid Cloud mesh,, and all versions and variations thereof since the issuance of the asserted patent.

Each Accused Instrumentality infringes the claims in substantially the same way, and the evidence shown in this chart is similarly applicable to each Accused Instrumentality. Each claim limitation is literally infringed by each Accused Instrumentality. However, to the extent any claim limitation is not met literally, it is nonetheless met under the doctrine of equivalents because the differences between the claim limitation and each Accused Instrumentality would be insubstantial, and each Accused Instrumentality performs substantially the same function, in substantially the same way, to achieve the same result as the claimed invention. Notably, Defendant has not yet articulated which, if any, particular claim limitations it believes are not met by the Accused Instrumentalities.

**Claim 1**

Claim 1	Accused Instrumentalities
[1pre] 1. A computing system for executing a plurality of software applications comprising:	<p>To the extent the preamble is limiting, each Accused Instrumentality comprises or constitutes a computing system for executing a plurality of software applications as claimed.</p> <p><i>See claim limitations below.</i></p> <p><i>See also, e.g.:</i></p> <p>IBM Cloud® Kubernetes Service provides a fully managed container service for Docker (OCI) containers, so clients can deploy containerized apps onto a pool of compute hosts and subsequently manage those containers. Containers are automatically scheduled and placed onto available compute hosts based on your requirements and availability in the cluster.</p> <p><a href="https://www.ibm.com/products/kubernetes-service">https://www.ibm.com/products/kubernetes-service</a></p> <p>With IBM Cloud Kubernetes Service, you can deploy Docker containers into pods that run on your worker nodes. The worker nodes come with a set of add-on pods to help you manage your containers. Install more add-ons through Helm, a Kubernetes package manager. These add-ons can extend your apps with dashboards, logging, IBM Cloud and IBM Watson® services and more.</p> <p><a href="https://www.ibm.com/products/kubernetes-service">https://www.ibm.com/products/kubernetes-service</a></p>